

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 16:05:14 ON 25 AUG 2008

=> fil .bec

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILES 'MEDLINE, SCISEARCH, LIFESCI, BIOTECHDS, BIOSIS, EMBASE, HCAPLUS, NTIS,
ESBIOBASE, BIOTECHNO, WPIDS' ENTERED AT 16:05:34 ON 25 AUG 2008
ALL COPYRIGHTS AND RESTRICTIONS APPLY. SEE HELP USAGETERMS FOR DETAILS.

11 FILES IN THE FILE LIST

=> s casein kinase#

FILE 'MEDLINE'

17975 CASEIN

312443 KINASE#

L1 3761 CASEIN KINASE#

(CASEIN(W)KINASE#)

FILE 'SCISEARCH'

21279 CASEIN

352282 KINASE#

L2 4167 CASEIN KINASE#

(CASEIN(W)KINASE#)

FILE 'LIFESCI'

6138 "CASEIN"

103051 KINASE#

L3 1586 CASEIN KINASE#

("CASEIN" (W)KINASE#)

FILE 'BIOTECHDS'

3162 CASEIN

12269 KINASE#

L4 149 CASEIN KINASE#

(CASEIN(W)KINASE#)

FILE 'BIOSIS'

37078 CASEIN

367328 KINASE#

L5 3963 CASEIN KINASE#

(CASEIN(W)KINASE#)

FILE 'EMBASE'

15421 "CASEIN"

288673 KINASE#

L6 3458 CASEIN KINASE#

("CASEIN" (W)KINASE#)

FILE 'HCAPLUS'

64026 CASEIN

337961 KINASE#

L7 4242 CASEIN KINASE#

(CASEIN(W)KINASE#)

FILE 'NTIS'

246 CASEIN

2118 KINASE#

L8 7 CASEIN KINASE#

(CASEIN(W)KINASE#)

FILE 'ESBIOBASE'

7068 CASEIN
157988 KINASE#

L9 1750 CASEIN KINASE#
(CASEIN(W)KINASE#)

FILE 'BIOTECHNO'

5488 CASEIN
92256 KINASE#

L10 1856 CASEIN KINASE#
(CASEIN(W)KINASE#)

FILE 'WPIDS'

11050 CASEIN
18683 KINASE#

L11 228 CASEIN KINASE#
(CASEIN(W)KINASE#)

TOTAL FOR ALL FILES

L12 25167 CASEIN KINASE#

=> s l12(10a)(sleep or circadian)

FILE 'MEDLINE'

87589 SLEEP
55873 CIRCADIAN

L13 35 L1 (10A)(SLEEP OR CIRCADIAN)

FILE 'SCISEARCH'

68569 SLEEP
31939 CIRCADIAN

L14 33 L2 (10A)(SLEEP OR CIRCADIAN)

FILE 'LIFESCI'

7967 SLEEP
9371 CIRCADIAN

L15 23 L3 (10A)(SLEEP OR CIRCADIAN)

FILE 'BIOTECHDS'

341 SLEEP
171 CIRCADIAN

L16 4 L4 (10A)(SLEEP OR CIRCADIAN)

FILE 'BIOSIS'

75337 SLEEP
40933 CIRCADIAN

L17 44 L5 (10A)(SLEEP OR CIRCADIAN)

FILE 'EMBASE'

79746 SLEEP
39174 CIRCADIAN

L18 29 L6 (10A)(SLEEP OR CIRCADIAN)

FILE 'HCAPLUS'

24333 SLEEP
24155 CIRCADIAN

L19 80 L7 (10A)(SLEEP OR CIRCADIAN)

FILE 'NTIS'

2233 SLEEP
933 CIRCADIAN

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L20          0 L8 (10A) (SLEEP OR CIRCADIAN)

FILE 'ESBIOBASE'
    15346 SLEEP
    11181 CIRCADIAN
L21          28 L9 (10A) (SLEEP OR CIRCADIAN)

FILE 'BIOTECHNO'
    1338 SLEEP
    3773 CIRCADIAN
L22          7 L10(10A) (SLEEP OR CIRCADIAN)

FILE 'WPIDS'
    17799 SLEEP
    957 CIRCADIAN
L23          5 L11(10A) (SLEEP OR CIRCADIAN)

TOTAL FOR ALL FILES
L24          288 L12(10A) (SLEEP OR CIRCADIAN)

=> s l12(10a)(muta? or variant# or allele? or polymorph?)
FILE 'MEDLINE'
    605690 MUTA?
    136049 VARIANT#
    135100 ALLEL?
    193129 POLYMORPH?
L25          123 L1 (10A) (MUTA? OR VARIANT# OR ALLEL? OR POLYMORPH?)

FILE 'SCISEARCH'
    597707 MUTA?
    156416 VARIANT#
    130911 ALLEL?
    233277 POLYMORPH?
L26          126 L2 (10A) (MUTA? OR VARIANT# OR ALLEL? OR POLYMORPH?)

FILE 'LIFESCI'
    277175 MUTA?
    49074 VARIANT#
    65933 ALLEL?
    82555 POLYMORPH?
L27          104 L3 (10A) (MUTA? OR VARIANT# OR ALLEL? OR POLYMORPH?)

FILE 'BIOTECHDS'
    52383 MUTA?
    18614 VARIANT#
    9880 ALLEL?
    11873 POLYMORPH?
L28          10 L4 (10A) (MUTA? OR VARIANT# OR ALLEL? OR POLYMORPH?)

FILE 'BIOSIS'
    666734 MUTA?
    143237 VARIANT#
    159022 ALLEL?
    238789 POLYMORPH?
L29          143 L5 (10A) (MUTA? OR VARIANT# OR ALLEL? OR POLYMORPH?)

FILE 'EMBASE'
    512838 MUTA?
    119238 VARIANT#
    110681 ALLEL?
    168682 POLYMORPH?
L30          111 L6 (10A) (MUTA? OR VARIANT# OR ALLEL? OR POLYMORPH?)

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FILE 'HCAPLUS'
    619116 MUTA?
    136680 VARIANT#
    133012 ALLEL?
    238659 POLYMORPH?
L31      198 L7 (10A) (MUTA? OR VARIANT# OR ALLEL? OR POLYMORPH?)

FILE 'NTIS'
    10861 MUTA?
    5024 VARIANT#
    733 ALLEL?
    1792 POLYMORPH?
L32      1 L8 (10A) (MUTA? OR VARIANT# OR ALLEL? OR POLYMORPH?)

FILE 'ESBIOBASE'
    322887 MUTA?
    61245 VARIANT#
    75118 ALLEL?
    90873 POLYMORPH?
L33      121 L9 (10A) (MUTA? OR VARIANT# OR ALLEL? OR POLYMORPH?)

FILE 'BIOTECHNO'
    242571 MUTA?
    41198 VARIANT#
    55235 ALLEL?
    71286 POLYMORPH?
L34      104 L10(10A) (MUTA? OR VARIANT# OR ALLEL? OR POLYMORPH?)

FILE 'WPIDS'
    39166 MUTA?
    36031 VARIANT#
    9945 ALLEL?
    12273 POLYMORPH?
L35      7 L11(10A) (MUTA? OR VARIANT# OR ALLEL? OR POLYMORPH?)

TOTAL FOR ALL FILES
L36      1048 L12(10A) (MUTA? OR VARIANT# OR ALLEL? OR POLYMORPH?)

=> s l36 and delta
FILE 'MEDLINE'
    87214 DELTA
L37      8 L25 AND DELTA

FILE 'SCISEARCH'
    263384 DELTA
L38      12 L26 AND DELTA

FILE 'LIFESCI'
    47818 DELTA
L39      13 L27 AND DELTA

FILE 'BIOTECHDS'
    4729 DELTA
L40      2 L28 AND DELTA

FILE 'BIOSIS'
    128899 DELTA
L41      18 L29 AND DELTA

FILE 'EMBASE'
    111663 DELTA

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L42          16 L30 AND DELTA

FILE 'HCAPLUS'
      508168 DELTA
L43          35 L31 AND DELTA

FILE 'NTIS'
      16164 DELTA
L44          0 L32 AND DELTA

FILE 'ESBIOBASE'
      66261 DELTA
L45          14 L33 AND DELTA

FILE 'BIOTECHNO'
      31359 DELTA
L46          8 L34 AND DELTA

FILE 'WPIDS'
      37292 DELTA
L47          0 L35 AND DELTA

TOTAL FOR ALL FILES
L48          126 L36 AND DELTA

=> s csnk1d
FILE 'MEDLINE'
L49          3 CSNK1D

FILE 'SCISEARCH'
L50          2 CSNK1D

FILE 'LIFESCI'
L51          2 CSNK1D

FILE 'BIOTECHDS'
L52          5 CSNK1D

FILE 'BIOSIS'
L53          2 CSNK1D

FILE 'EMBASE'
L54          2 CSNK1D

FILE 'HCAPLUS'
L55          27 CSNK1D

FILE 'NTIS'
L56          0 CSNK1D

FILE 'ESBIOBASE'
L57          1 CSNK1D

FILE 'BIOTECHNO'
L58          1 CSNK1D

FILE 'WPIDS'
L59          5 CSNK1D

TOTAL FOR ALL FILES
L60          50 CSNK1D

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=> s l60(10a)(muta? or variant# or allele? or polymorph?)
FILE 'MEDLINE'
    605690 MUTA?
    136049 VARIANT#
    135100 ALLEL?
    193129 POLYMORPH?
L61      0 L49(10A) (MUTA? OR VARIANT# OR ALLEL? OR POLYMORPH?)

FILE 'SCISEARCH'
    597707 MUTA?
    156416 VARIANT#
    130911 ALLEL?
    233277 POLYMORPH?
L62      0 L50(10A) (MUTA? OR VARIANT# OR ALLEL? OR POLYMORPH?)

FILE 'LIFESCI'
    277175 MUTA?
    49074  VARIANT#
    65933  ALLEL?
    82555  POLYMORPH?
L63      0 L51(10A) (MUTA? OR VARIANT# OR ALLEL? OR POLYMORPH?)

FILE 'BIOTECHDS'
    52383  MUTA?
    18614  VARIANT#
    9880   ALLEL?
    11873  POLYMORPH?
L64      0 L52(10A) (MUTA? OR VARIANT# OR ALLEL? OR POLYMORPH?)

FILE 'BIOSIS'
    666734 MUTA?
    143237 VARIANT#
    159022 ALLEL?
    238789 POLYMORPH?
L65      0 L53(10A) (MUTA? OR VARIANT# OR ALLEL? OR POLYMORPH?)

FILE 'EMBASE'
    512838 MUTA?
    119238 VARIANT#
    110681 ALLEL?
    168682 POLYMORPH?
L66      0 L54(10A) (MUTA? OR VARIANT# OR ALLEL? OR POLYMORPH?)

FILE 'HCAPLUS'
    619116 MUTA?
    136680 VARIANT#
    133012 ALLEL?
    238659 POLYMORPH?
L67      0 L55(10A) (MUTA? OR VARIANT# OR ALLEL? OR POLYMORPH?)

FILE 'NTIS'
    10861  MUTA?
    5024   VARIANT#
    733    ALLEL?
    1792   POLYMORPH?
L68      0 L56(10A) (MUTA? OR VARIANT# OR ALLEL? OR POLYMORPH?)

FILE 'ESBIOBASE'
    322887 MUTA?
    61245  VARIANT#
    75118  ALLEL?
    90873  POLYMORPH?

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L69          0 L57(10A) (MUTA? OR VARIANT# OR ALLEL? OR POLYMORPH?)

FILE 'BIOTECHNO'
    242571 MUTA?
    41198 VARIANT#
    55235 ALLEL?
    71286 POLYMORPH?
L70          0 L58(10A) (MUTA? OR VARIANT# OR ALLEL? OR POLYMORPH?)

FILE 'WPIDS'
    39166 MUTA?
    36031 VARIANT#
    9945 ALLEL?
    12273 POLYMORPH?
L71          0 L59(10A) (MUTA? OR VARIANT# OR ALLEL? OR POLYMORPH?)

TOTAL FOR ALL FILES
L72          0 L60(10A) (MUTA? OR VARIANT# OR ALLEL? OR POLYMORPH?)

=> s (148 or 124) not 2004-2008/py
FILE 'MEDLINE'
    3041907 2004-2008/PY
              (20040000-20089999/PY)
L73          21 (L37 OR L13) NOT 2004-2008/PY

FILE 'SCISEARCH'
    5727950 2004-2008/PY
              (20040000-20089999/PY)
L74          19 (L38 OR L14) NOT 2004-2008/PY

FILE 'LIFESCI'
    691170 2004-2008/PY
L75          19 (L39 OR L15) NOT 2004-2008/PY

FILE 'BIOTECHDS'
    115051 2004-2008/PY
L76          1 (L40 OR L16) NOT 2004-2008/PY

FILE 'BIOSIS'
    2596483 2004-2008/PY
L77          28 (L41 OR L17) NOT 2004-2008/PY

FILE 'EMBASE'
    2633738 2004-2008/PY
L78          22 (L42 OR L18) NOT 2004-2008/PY

FILE 'HCAPLUS'
    6148426 2004-2008/PY
L79          44 (L43 OR L19) NOT 2004-2008/PY

FILE 'NTIS'
    75409 2004-2008/PY
L80          0 (L44 OR L20) NOT 2004-2008/PY

FILE 'ESBIOBASE'
    1505543 2004-2008/PY
L81          17 (L45 OR L21) NOT 2004-2008/PY

FILE 'BIOTECHNO'
    586 2004-2008/PY
L82          15 (L46 OR L22) NOT 2004-2008/PY

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FILE 'WPIDS'

5246219 2004-2008/PY

L83 0 (L47 OR L23) NOT 2004-2008/PY

TOTAL FOR ALL FILES

L84 186 (L48 OR L24) NOT 2004-2008/PY

=> dup rem l84

PROCESSING COMPLETED FOR L84

L85 57 DUP REM L84 (129 DUPLICATES REMOVED)

=> d tot

L85 ANSWER 1 OF 57 HCAPLUS COPYRIGHT 2008 ACS on STN

TI Casein kinase i epsilon regulates transcription and period 2 stability within the mammalian circadian clock

SO (2003) 105 pp. Avail.: UMI, Order No. DA3106752

From: Diss. Abstr. Int., B 2004, 64(9), 4197

AU Eide, Erik John

AN 2004:622678 HCAPLUS

DN 142:88347

L85 ANSWER 2 OF 57 BIOSIS COPYRIGHT (c) 2008 The Thomson Corporation on STN

TI Screening methods for altering circadian rhythms and for human casein kinase I delta and/or epsilon phosphorylation of human clock proteins, period 1, -2 and -3.

SO Official Gazette of the United States Patent and Trademark Office Patents, (Apr 29 2003) Vol. 1269, No. 5. <http://www.uspto.gov/web/menu/patdata.html>. e-file.

ISSN: 0098-1133 (ISSN print).

AU Keesler, George A. [Inventor, Reprint Author]; Mondadori, Cesare [Inventor]; Yao, Zhengbin [Inventor]; Camacho, Fernando [Inventor]

AN 2003:248650 BIOSIS

L85 ANSWER 3 OF 57 MEDLINE on STN DUPLICATE 1

TI Phosphorylation of FREQUENCY protein by casein kinase II is necessary for the function of the Neurospora circadian clock.

SO Molecular and cellular biology, (2003 Sep) Vol. 23, No. 17, pp. 6221-8. Journal code: 8109087. ISSN: 0270-7306.

AU Yang Yuhong; Cheng Ping; He Qiyang; Wang Lixin; Liu Yi

AN 2003381810 MEDLINE

L85 ANSWER 4 OF 57 HCAPLUS COPYRIGHT 2008 ACS on STN

TI Isolation of suppressor mutants of phosphatidylinositol 3-phosphate 5-kinase deficient cells in Schizosaccharomyces pombe

SO Bioscience, Biotechnology, and Biochemistry (2003), 67(8), 1772-1779 CODEN: BBBIEJ; ISSN: 0916-8451

AU Onishi, Masayuki; Nakamura, Yoko; Koga, Takako; Takegawa, Kaoru; Fukui, Yasuhisa

AN 2003:721504 HCAPLUS

DN 139:375942

L85 ANSWER 5 OF 57 BIOSIS COPYRIGHT (c) 2008 The Thomson Corporation on STN

TI Comparative analysis of avian BMAL1 and CLOCK protein sequences: A search for features associated with owl nocturnal behaviour.

SO Comparative Biochemistry and Physiology Part B Biochemistry & Molecular Biology, (December 2003) Vol. 136B, No. 4, pp. 861-874. print.

ISSN: 1096-4959 (ISSN print).

AU Fidler, Andrew E. [Reprint Author]; Gwinner, Eberhard

AN 2004:98668 BIOSIS

L85 ANSWER 6 OF 57 HCAPLUS COPYRIGHT 2008 ACS on STN
 TI Circadian rhythm and sleep disorders
 SO Igaku no Ayumi (2003), 204(11), 799-802
 CODEN: IGAYAY; ISSN: 0039-2359
 AU Ebisawa, Takashi
 AN 2003:362521 HCAPLUS
 DN 139:177551

L85 ANSWER 7 OF 57 MEDLINE on STN DUPLICATE 2
 TI CK1 and GSK3 in the Drosophila and mammalian circadian clock.
 SO Novartis Foundation symposium, (2003) Vol. 253, pp. 267-77; discussion 102-9, 277-84.
 Journal code: 9807767. ISSN: 1528-2511.
 AU Harms Emily; Young Michael W; Saez Lino
 AN 2004015503 MEDLINE

L85 ANSWER 8 OF 57 MEDLINE on STN DUPLICATE 3
 TI A role for CK2 in the Drosophila circadian oscillator.
 SO Nature neuroscience, (2003 Mar) Vol. 6, No. 3, pp. 251-7.
 Journal code: 9809671. ISSN: 1097-6256.
 AU Akten Bikem; Jauch Eike; Genova Ginka K; Kim Eun Young; Edery Isaac; Raabe Thomas; Jackson F Rob
 AN 2003089891 MEDLINE

L85 ANSWER 9 OF 57 EMBASE COPYRIGHT (c) 2008 Elsevier B.V. All rights reserved on STN
 TI A new role for an old kinase: CK2 and the circadian clock.
 SO Nature Neuroscience, (1 Mar 2003) Vol. 6, No. 3, pp. 208-210.
 Refs: 13
 ISSN: 1097-6256 CODEN: NANEFN
 AU Blau, Justin (correspondence)
 AN 2003099617 EMBASE

L85 ANSWER 10 OF 57 LIFESCI COPYRIGHT 2008 CSA on STN DUPLICATE 4
 TI Mutant casein kinase I (Hrr25p/Kti14p) abrogates the G1 cell cycle arrest induced by Kluyveromyces lactis zymocin in budding yeast
 SO Molecular Genetics and Genomics [Mol. Genet. Genomics], (20030500) vol. 269, no. 2, pp. 188-196.
 ISSN: 1617-4615.
 AU Mehlgarten, C.; Schaffrath, R.
 AN 2003:64326 LIFESCI

L85 ANSWER 11 OF 57 BIOSIS COPYRIGHT (c) 2008 The Thomson Corporation on STN
 TI Casein kinase i and circadian rhythms: effects of manipulation of ckiepsilon activity on period.
 SO Society for Neuroscience Abstract Viewer and Itinerary Planner, (2003) Vol. 2003, pp. Abstract No. 284.3. <http://sfn.scholarone.com>. e-file.
 Meeting Info.: 33rd Annual Meeting of the Society of Neuroscience. New Orleans, LA, USA. November 08-12, 2003. Society of Neuroscience.
 AU Camacho, F. [Reprint Author]; Hurst, W. J. [Reprint Author]; Vielhaber, E. [Reprint Author]; Harnish, S. [Reprint Author]; Roehr, J. [Reprint Author]; Friedman, E. [Reprint Author]; Menaker, M.; Khorkova, O. [Reprint Author]; Virshup, D.; Giovanni, A. [Reprint Author]
 AN 2004:196776 BIOSIS

L85 ANSWER 12 OF 57 BIOTECHDS COPYRIGHT 2008 THOMSON REUTERS on STN
 TI Novel hPER2 gene or its mutant form, that participates in the human circadian biological clock, useful as marker for diagnosing familial advanced sleep phase syndrome in human subject;
 recombinant protein production via plasmid expression in host cell use

in disease therapy
AU PTACEK L; FU Y; JONES C; VIRSHUP D
AN 2002-19973 BIOTECHDS
PI WO 2002055667 18 Jul 2002

L85 ANSWER 13 OF 57 MEDLINE on STN DUPLICATE 5
TI The circadian regulatory proteins BMAL1 and cryptochromes are
substrates of casein kinase Iepsilon.
SO The Journal of biological chemistry, (2002 May 10) Vol. 277, No. 19, pp.
17248-54. Electronic Publication: 2002-03-01.
Journal code: 2985121R. ISSN: 0021-9258.
AU Eide Erik J; Vielhaber Erica L; Hinz William A; Virshup David M
AN 2002253137 MEDLINE

L85 ANSWER 14 OF 57 HCAPLUS COPYRIGHT 2008 ACS on STN
TI Oscillatory mechanism of mammalian circadian rhythm
SO Tanpakushitsu Kakusan Koso (2002), 47(14), 1914-1923
CODEN: TAKKAJ; ISSN: 0039-9450
AU Nagai, Katsuya; Isojima, Yasushi; Okumura, Nobuaki
AN 2002:824521 HCAPLUS
DN 137:335384

L85 ANSWER 15 OF 57 MEDLINE on STN DUPLICATE 6
TI Control of intracellular dynamics of mammalian period proteins by casein
kinase I epsilon (CKIepsilon) and CKIdelta in cultured cells.
SO Molecular and cellular biology, (2002 Mar) Vol. 22, No. 6, pp. 1693-703.
Journal code: 8109087. ISSN: 0270-7306.
AU Akashi Makoto; Tsuchiya Yoshiki; Yoshino Takao; Nishida Eisuke
AN 2002129621 MEDLINE

L85 ANSWER 16 OF 57 MEDLINE on STN DUPLICATE 7
TI Regulation of the Neurospora circadian clock by casein
kinase II.
SO Genes & development, (2002 Apr 15) Vol. 16, No. 8, pp. 994-1006.
Journal code: 8711660. ISSN: 0890-9369.
AU Yang Yuhong; Cheng Ping; Liu Yi
AN 2002222772 MEDLINE

L85 ANSWER 17 OF 57 BIOSIS COPYRIGHT (c) 2008 The Thomson Corporation on
STN
TI Sequential multisite phosphorylation by casein kinase I epsilon
(CKIepsilon).
SO FASEB Journal, (March 22, 2002) Vol. 16, No. 5, pp. A917. print.
Meeting Info.: Annual Meeting of Professional Research Scientists on
Experimental Biology. New Orleans, Louisiana, USA. April 20-24, 2002.
CODEN: FAJOEC. ISSN: 0892-6638.
AU Toh, Kong Leong [Reprint author]; Thulin, Craig; Fu, Ying-Hui; Ptacek,
Louis J.; Virshup, David M.
AN 2002:369813 BIOSIS

L85 ANSWER 18 OF 57 MEDLINE on STN DUPLICATE 8
TI A role for casein kinase 2alpha in the Drosophila
circadian clock.
SO Nature, (Dec 19-26 2002) Vol. 420, No. 6917, pp. 816-20.
Journal code: 0410462. ISSN: 0028-0836.
AU Lin Jui-Ming; Kilman Valerie L; Keegan Kevin; Paddock Brie; Emery-Le Myai;
Rosbash Michael; Allada Ravi
AN 2002728581 MEDLINE

L85 ANSWER 19 OF 57 HCAPLUS COPYRIGHT 2008 ACS on STN
TI The Drosophila clock protein Timeless is a member of the Arm/HEAT family
SO Current Biology (2002), 12(18), R610-R611

CODEN: CUBLE2; ISSN: 0960-9822

AU Vodovar, Nicolas; Clayton, Jonathan D.; Costa, Rodolfo; Odell, Mark;
Kyriacou, Charalambos P.

AN 2002:787894 HCAPLUS

DN 138:150375

L85 ANSWER 20 OF 57 BIOSIS COPYRIGHT (c) 2008 The Thomson Corporation on
STN

TI No evidence for linkage or linkage disequilibrium to nine circadian clock
genes in bipolar disorder.

SO American Journal of Human Genetics, (October, 2002) Vol. 71, No. 4
Supplement, pp. 487. print.
Meeting Info.: 52nd Annual Meeting of the American Society of Human
Genetics. Baltimore, MD, USA. October 15-19, 2002. American Society of
Human Genetics.
CODEN: AJHGAG. ISSN: 0002-9297.

AU Nievergelt, C. M. [Reprint author]; Kripke, D. F. [Reprint author];
Schork, N. J. [Reprint author]; Kelsoe, J. R. [Reprint author]

AN 2002:625018 BIOSIS

L85 ANSWER 21 OF 57 HCAPLUS COPYRIGHT 2008 ACS on STN

TI Two splice variants of Noppl40 in Drosophila melanogaster

SO Molecular Biology of the Cell (2002), 13(1), 362-381
CODEN: MBCEEV; ISSN: 1059-1524

AU Waggner, John M.; DiMario, Patrick J.

AN 2002:79425 HCAPLUS

DN 136:229625

L85 ANSWER 22 OF 57 MEDLINE on STN

TI A role for cryptochromes in sleep regulation.

SO BMC neuroscience, (2002 Dec 20) Vol. 3, pp. 20. Electronic Publication:
2002-12-20.
Journal code: 100966986. E-ISSN: 1471-2202.

AU Wisor Jonathan P; O'Hara Bruce F; Terao Akira; Selby Chris P; Kilduff
Thomas S; Sancar Aziz; Edgar Dale M; Franken Paul

AN 2003149475 MEDLINE

L85 ANSWER 23 OF 57 HCAPLUS COPYRIGHT 2008 ACS on STN

TI Immortalized Suprachiasmatic Nucleus Cells Express Components of Multiple
Circadian Regulatory Pathways

SO Biochemical and Biophysical Research Communications (2002), 292(1), 20-30
CODEN: BBRCA9; ISSN: 0006-291X

AU Hurst, William J.; Earnest, David; Gillette, Martha U.

AN 2002:178271 HCAPLUS

DN 137:198824

L85 ANSWER 24 OF 57 LIFESCI COPYRIGHT 2008 CSA on STN DUPLICATE 9

TI A role for cryptochromes in sleep regulation

SO BMC Neuroscience [Bmc Neurosci.], (20020000) vol. 3, [np].
ISSN: 1471-2202.

AU Wisor, Jonathan P; OHara, Bruce F; Terao, Akira; Selby, Chris P; Kilduff,
Thomas S; Sancar, Aziz; Edgar, Dale M; Franken, Paul

AN 2005:55688 LIFESCI

L85 ANSWER 25 OF 57 MEDLINE on STN DUPLICATE 10

TI The Drosophila double-times mutation delays the nuclear accumulation of
period protein and affects the feedback regulation of period mRNA.

SO The Journal of neuroscience : the official journal of the Society for
Neuroscience, (2001 Sep 15) Vol. 21, No. 18, pp. 7117-26.
Journal code: 8102140. E-ISSN: 1529-2401.

AU Bao S; Rihel J; Bjes E; Fan J Y; Price J L

AN 2001500577 MEDLINE

L85 ANSWER 26 OF 57 SCISEARCH COPYRIGHT (c) 2008 The Thomson Corporation on
 STN DUPLICATE 11
 TI Phosphorylation of the G(q/11)-coupled M-3-muscarinic receptor is involved
 in receptor activation of the ERK-1/2 mitogen-activated protein kinase
 pathway
 SO JOURNAL OF BIOLOGICAL CHEMISTRY, (16 FEB 2001) Vol. 276, No. 7, pp.
 4581-4587.
 ISSN: 0021-9258.
 AU Budd D C; Willars G B; McDonald J E; Tobin A B (Reprint)
 AN 2001:377953 SCISEARCH

L85 ANSWER 27 OF 57 HCAPLUS COPYRIGHT 2008 ACS on STN
 TI Posttranslational mechanisms regulate the mammalian circadian clock
 SO Cell (Cambridge, MA, United States) (2001), 107(7), 855-867
 CODEN: CELLB5; ISSN: 0092-8674
 AU Lee, Choogon; Etchegaray, Jean-Pierre; Cagampang, Felino R. A.; Loudon,
 Andrew S. I.; Reppert, Steven M.
 AN 2002:33658 HCAPLUS
 DN 136:229989

L85 ANSWER 28 OF 57 HCAPLUS COPYRIGHT 2008 ACS on STN
 TI Constitutive expression and delayed light response of casein kinase
 I ϵ and I δ mRNAs in the mouse suprachiasmatic nucleus
 SO Journal of Neuroscience Research (2001), 64(6), 612-616
 CODEN: JNREDK; ISSN: 0360-4012
 AU Ishida, Yoshiki; Yagita, Kazuhiro; Fukuyama, Tsuyoshi; Nishimura,
 Masataka; Nagano, Mamoru; Shigeyoshi, Yasufumi; Yamaguchi, Shun; Komori,
 Takahide; Okamura, Hitoshi
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L85 ANSWER 30 OF 57 MEDLINE on STN DUPLICATE 13
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L85 ANSWER 31 OF 57 HCAPLUS COPYRIGHT 2008 ACS on STN
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L85 ANSWER 32 OF 57 HCAPLUS COPYRIGHT 2008 ACS on STN
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L85 ANSWER 38 OF 57 LIFESCI COPYRIGHT 2008 CSA on STN

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ISSN: 0036-8075.

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L85 ANSWER 47 OF 57 HCAPLUS COPYRIGHT 2008 ACS on STN
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WO 9519993	A1	19950727	WO 1995-US955	19950123
W: CA, JP				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
US 6060296	A	20000509	US 1994-185359	19940121
EP 690876	A1	19960110	EP 1995-909318	19950123
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R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
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OREF 121:45059a,45062a

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L85 ANSWER 55 OF 57 HCAPLUS COPYRIGHT 2008 ACS on STN
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DN 117:106963
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L85 ANSWER 56 OF 57 MEDLINE on STN DUPLICATE 25
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L85 ANSWER 57 OF 57 BIOSIS COPYRIGHT (c) 2008 The Thomson Corporation on STN
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=> d ab 6,7,10,11,14,15,27,29-31,33,47

L85 ANSWER 6 OF 57 HCAPLUS COPYRIGHT 2008 ACS on STN

AB A review on candidate genes in human circadian rhythm sleep disorders. The topics discussed are (1) association of polymorphisms of the period3 (Per3) gene, casein kinase 1 ϵ gene and melatonin 1a receptor gene with delayed sleep phase syndrome (DSPS) and non-24-h sleep-wake syndrome (N-24); and (3) polymorphisms of the period2 (Per2) and clock genes in advanced sleep phase syndrome (ASPS).

L85 ANSWER 7 OF 57 MEDLINE on STN DUPLICATE 2

AB Two kinases, DOUBLETIME and SHAGGY, have been shown to play a role in the circadian clock. DOUBLETIME, the Drosophila orthologue of casein kinase 1, can phosphorylate PERIOD in the cytoplasm and in the nucleus. This phosphorylation destabilizes PERIOD in both locations and sets patterns of both cytoplasmic accumulation and nuclear turnover. Cytoplasmic phosphorylation postpones accumulation of PERIOD and affects timing of nuclear accumulation of PERIOD/ TIMELESS complexes. SHAGGY, the Drosophila orthologue of glycogen synthase kinase 3, phosphorylates TIMELESS and promotes nuclear translocation of PERIOD/ TIMELESS complexes. Thus, the opposing effects of these two kinases in the cytoplasm are crucial for establishing the approximately 24 h period of circadian rhythmicity in Drosophila. Casein Kinase 1 has been shown to be a component of the circadian clock in mammals. Recent studies are also pointing to a role for glycogen synthase kinase 3 in the mammalian clock.

L85 ANSWER 10 OF 57 LIFESCI COPYRIGHT 2008 CSA on STN DUPLICATE 4

AB Zymocin, a toxic protein complex produced by Kluyveromyces lactis, inhibits cell cycle progression in Saccharomyces cerevisiae. In studying its action, a resistant mutant (kti14-1) was found to express the tot-phenotype typical of tot Delta cells, toxin target (TOT) mutants that are impaired in RNA polymerase II Elongator function. Phenotypic analysis of a kti14-1 tot3 Delta double mutant revealed a functional link between KTI14 and TOT /Elongator. Unlike tot Delta cells, the kti14-1 mutant is sensitive to the drug methylmethane sulfonate (MMS), indicating that, besides being affected in TOT function, kti14-1 cells are also compromised in DNA repair. Single-copy complementation identified HRR25, which codes for casein kinase I (CKI), as KTI14. Kinase-minus hrr25 mutations (K38A and T176I) conferred zymocin resistance, while deletion of the other yeast CKI genes (YCK1-3) had no effect. A mutation in KTI14 that truncates the P/Q-rich C-terminus of Hrr25p also dissociates MMS sensitivity from zymocin resistance; this mutant is resistant to the toxin, but shows normal sensitivity to MMS. Thus, although kinase-minus mutations are sufficient to protect yeast cells from zymocin, toxicity is also dependent on the integrity of the C-terminal region of Hrr25p, which has been implicated in determining the substrate specificity or localization of Hrr25p.

L85 ANSWER 11 OF 57 BIOSIS COPYRIGHT (c) 2008 The Thomson Corporation on STN

AB Post-translational modification of molecular clock components has been implicated as a critical regulator of circadian rhythms. Phosphorylation of PERIOD (PER) by casein kinase I epsilon (CKIepsilon) appears to be a key component of the molecular clock that drives circadian rhythms in the central pacemaker and periphery. Drosophila with mutations in the

dCKIepsilon gene, double-time (dbt), demonstrated lengthening or shortening of period. The tau hamster contains a mutation in CKIepsilon that renders the enzyme less effective in phosphorylating PER, and the mutation on the CKIepsilon phosphorylation site in hPer2 identified in a family with advanced sleep phase syndrome (FASPS) appear to relate decreased phosphorylation by CKIepsilon to a shortening of period. In these studies we assessed the effects of CKIepsilon modulation on PER phosphorylation and how this relates to the circadian rhythm of the molecular clock. Over expression of kinase dead CKIepsilon (K38A) in Rat-1 fibroblast induced a longer phase on Rev-erba, a circadian controlled gene. In contrast, over expression of CKIepsilon induced a shortened phase on Rev-erba. Using the commercially available CKIepsilon inhibitors Icos-261 and CK1-7 we demonstrate a dose dependent decrease in phosphorylated PER (1 and 2) in transfected cells. Furthermore, using a Rat-1 Per1-luc circadian cell model (see Hurst et al. Neuroscience 2003) we show that both Icos-261 and CK1-7 induce a significant, dose dependant increase in period with an estimated 1h lengthening occurring at 1-10 uM. Our findings on the circadian effects of modulating CKIepsilon activity contrasts the phenotype observed in the tau hamster and FASPS, but further illuminate the critical role of CKIepsilon in the regulation of the circadian clock.

L85 ANSWER 14 OF 57 HCAPLUS COPYRIGHT 2008 ACS on STN

AB A review on the mammalian oscillating mechanism and proteins involved therein, discussing characteristics of circadian rhythm, circadian oscillation by pos.-neg. feedback loop, identification and functional anal. of oscillating proteins in the suprachiasmatic nucleus (SCN), such as SCOP (SCN circadian oscillatory protein), casein kinase 1 ϵ (CK1 ϵ), PIPS (Per1 interacting protein of the SCN), and BIT/SHIPS1.

L85 ANSWER 15 OF 57 MEDLINE on STN DUPLICATE 6

AB Recent studies have shown that casein kinase I epsilon (CKIepsilon) is an essential regulator of the mammalian circadian clock. However, the detailed mechanisms by which CKIepsilon regulates each component of the circadian negative-feedback loop have not been fully defined. We show here that mPer proteins, negative limbs of the autoregulatory loop, are specific substrates for CKIepsilon and CKIdelta. The CKI phosphorylation of mPer1 and mPer3 results in their rapid degradation, which is dependent on the ubiquitin-proteasome pathway. Moreover, CKIepsilon and CKIdelta are able to induce nuclear translocation of mPer3, which requires its nuclear localization signal. The mutation in potential phosphorylation sites on mPer3 decreased the extent of both nuclear translocation and degradation of mPer3 that are stimulated by CKIepsilon. CKIepsilon and CKIdelta affected the inhibitory effect of mPer proteins on the transcriptional activity of BMAL1-CLOCK, but the inhibitory effect of mCry proteins on the activity of BMAL1-CLOCK was unaffected. These results suggest that CKIepsilon and CKIdelta regulate the mammalian circadian autoregulatory loop by controlling both protein turnover and subcellular localization of mPer proteins.

L85 ANSWER 27 OF 57 HCAPLUS COPYRIGHT 2008 ACS on STN

AB We have examined posttranslational regulation of clock proteins in mouse liver in vivo. The mouse PERIOD proteins (mPER1 and mPER2), CLOCK, and BMAL1 undergo robust circadian changes in phosphorylation. These proteins, the cryptochromes (mCRY1 and mCRY2), and casein kinase I epsilon (CKI ϵ) form multimeric complexes that are bound to DNA during neg. transcriptional feedback. CLOCK:BMAL1 heterodimers remain bound to DNA over the circadian cycle. The temporal increase in mPER abundance controls the neg. feedback interactions. Anal. of clock proteins in mCRY-deficient mice shows that the mCRYs are necessary for stabilizing phosphorylated mPER2 and for the nuclear accumulation of mPER1, mPER2, and

CKI ϵ . We also provide in vivo evidence that casein kinase I delta is a second clock relevant kinase.

L85 ANSWER 29 OF 57 MEDLINE on STN DUPLICATE 12

AB Multiple components of the circadian central clock are phosphoproteins, and it has become increasingly clear that posttranslational modification is an important regulator of circadian rhythm in diverse organisms, from dinoflagellates to humans. Genetic studies in *Drosophila* have identified double-time (dbt), a serine/threonine protein kinase that is highly homologous to human casein kinase I epsilon (CKIepsilon), as the first kinase linked to behavioral rhythms. Identification of a missense mutation in CKIepsilon as the tau mutation in the Syrian hamster places CKIepsilon within the core clock machinery in mammals. Most recently, identification of a phosphorylation site mutant of hPER2 in a family with an inherited circadian rhythm abnormality strongly suggests that PER2 is a physiologically relevant substrate of CKI. Phosphorylation may regulate multiple properties of clock proteins, including stability and intracellular localization.

L85 ANSWER 30 OF 57 MEDLINE on STN DUPLICATE 13

AB Casein kinase Iepsilon (CKIepsilon), a central component of the circadian clock, interacts with and phosphorylates human period protein 1 (hPER1) [Keesler, G.A. et al. (2000) *NeuroReport* 5, 951-955]. A mutation in CKIepsilon causes a shortened circadian period in Syrian Golden hamster. We have now extended our previous studies to show that human casein kinase Idelta (hCKIdelta), the closest homologue to hCKIepsilon, associates with and phosphorylates hPER1 and causes protein instability. Furthermore, we observed that both hCKIdelta and hCKIepsilon phosphorylated and caused protein instability of human period 2 protein (hPER2). Immunohistochemical staining of rat brains demonstrates that CKIdelta protein is localized in the suprachiasmatic nuclei, the central location of the master clock. These results indicate that CKIdelta may play a role similar to CKIepsilon, suggesting that it may also be involved in regulating circadian rhythmicity by post-translation modification of mammalian clock proteins hPER1 and 2.

L85 ANSWER 31 OF 57 HCAPLUS COPYRIGHT 2008 ACS on STN

AB A review with 52 refs. The casein kinase I (CKI) family of protein kinases is a group of highly related, ubiquitously expressed serine/threonine kinases found in all eukaryotic organisms from protozoa to man. Recent advances in diverse fields, including developmental biol. and chronobiol., have elucidated roles for CKI isoforms in regulating critical processes such as Wnt signaling, circadian rhythm, NF-AT4 nuclear import, and Alzheimer's disease progression.

L85 ANSWER 33 OF 57 HCAPLUS COPYRIGHT 2008 ACS on STN

AB Unavailable

L85 ANSWER 47 OF 57 HCAPLUS COPYRIGHT 2008 ACS on STN

AB Protein kinase mutant and wild-type genes encoding polypeptides of the class designated casein kinase I and useful in screening compns. which may affect DNA double-strand break repair activity are disclosed. Also disclosed are methods using the polynucleotides in cell-proliferative disorders. Specifically illustrating the invention are *Saccharomyces cerevisiae* DNAs including those encoding HRR25 and NUF1, *Schizosaccharomyces pombe* DNAs including those encoding Hhp1+ and Hhp2+, and human DNAs including those encoding CKI α 1Hu, CKI α 2Hu, CKI α 3Hu, CKI γ 1Hu, CKI γ 2Hu, and CKI δ Hu. Also provided are autonomously replicating recombinant constructions such as plasmid and viral DNA vectors incorporating such sequences and especially vectors wherein DNA encoding an HRR25-like casein kinase I protein is

linked to an endogenous or exogenous expression control DNA sequence.
Monoclonal antibodies specific or HRR25-like proteins were secreted by
hybridomas 75C10H, 80J9E, 94A1D, 94F4A, 94J11c, and 128A.

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COST IN U.S. DOLLARS

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115041 PY>=2004
(PY>=2004)

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FILE 'HCAPLUS'

339674 WO/PC
815905 PRY<=2003
5725252 PY>=2004

L87 3 (L43 OR L19) AND WO/PC AND PRY<=2003 AND PY>=2004

FILE 'WPIDS'

617750 WO/PC
1528657 PRY<=2003
4094822 PY>=2004
(PY>=2004)

L88 2 (L47 OR L23) AND WO/PC AND PRY<=2003 AND PY>=2004

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L90 ANSWER 1 OF 4 BIOTECHDS COPYRIGHT 2008 THOMSON REUTERS on STN

TI Screening bioactive agents for treating or preventing neuropsychiatric disorders, e.g. bipolar disorders, comprises determining the effect of the bioactive agent candidates on the expression of an expression profile gene;

involving vector-mediated gene transfer and expression in host cell for gene therapy and drug screening

AU NICULESCU A B; KUCZENSKI R T; LOHR J B

AN 2005-15303 BIOTECHDS

PI WO 2005034719 21 Apr 2005

L90 ANSWER 2 OF 4 HCAPLUS COPYRIGHT 2008 ACS on STN

TI Sleep-related genes in Drosophila and their use for the screening,
 diagnosis and therapy of sleep disorders
 SO PCT Int. Appl., 268 pp.
 CODEN: PIXXD2
 IN Tononi, Giulio; Cirelli, Chiara
 AN 2005:589224 HCAPLUS
 DN 143:92115

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005061736	A2	20050707	WO 2004-US41948	20041215 <--
	WO 2005061736	A3	20060316		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, SM, US				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	US 20050166269	A1	20050728	US 2004-13314	20041215 <--

L90 ANSWER 3 OF 4 HCAPLUS COPYRIGHT 2008 ACS on STN
 TI Preparation of substituted 1H-pyrrolo[3,2-b, 3,2-c, and 2,3-c]pyridine-2-carboxamides and related analogs as inhibitors of casein kinase 1ε
 SO U.S. Pat. Appl. Publ., 30 pp.
 CODEN: USXXCO
 IN Metz, William A.; Halley, Frank; Dutruc-Rosset, Gilles; Choi-Sledeski, Yong Mi; Bernard, Poli Gregory; Fink, David Marc; Doerflinger, Gilles; Huang, Bao-Guo; Gelormini, Ann Marie; Gamboa, Juan Antonio; Giovanni, Andrew; Roehr, Joachim E.; Tsay, Joseph T.; Camacho, Fernando; Hurst, William Joseph; Harnish, Stephen Wayne; Chiang, Yulin
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	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
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L90 ANSWER 4 OF 4 BIOTECHDS COPYRIGHT 2008 THOMSON REUTERS on STN
 TI New isolated casein kinase I delta nucleic and casein
 kinase I epsilon nucleic acid, useful for treating sleep
 disorders, e.g. excessive daytime sleepiness, obstructive sleep apnea,
 restless leg syndrome, or narcolepsy;
 involving vector-mediated gene transfer and expression in host cell
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 AU PTACEK L; JONES C; FU Y
 AN 2004-16851 BIOTECHDS
 PI WO 2004050841 17 Jun 2004

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COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	15.47	164.27
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-4.00

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